

USSR / General and Specialized Zoology. Insects
Forest Pests.

P

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 78362
Author : Shiparovich, B. Ya.; Yakovlev, B. P.
Inst : Karolian Branch AS SSSR
Title : Influence of Insect Pests on the Quality of Seeds
in the Forests of Karelia.
Orig Pub : Tr. Karel'sk. fil. AN SSSR, 1957, fasc. 7, 97-109
Abstract : In the last few years, damage to spruce cones has
been 90%. Most of the damaged cones were popula-
ted by the cone tortricid moth (Lasperesia stro-
biella), the remainder by a complex of a few
insects: the coniferous moth (Dioryctria abie-
tella) and geometrid moth (Eupithecia abietaria),
gall midge of the scales of the spruce cones
(Dasyneura strobi) gall midge of the spruce
seeds (Plemeiella abietina), Larch

Card 1/2

...11...140., v. 34.

SHIPENOVICH, V. Ya. "The effect of harmful insects on the condition of coniferous stands in the 'Kivich' forest reservation", Izvestiya Karelo-Fin. nauch.-issled. lazy Akad. nauk SSSR, 1949, No. 1, p. 24-31.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

1. SHIPEROVICH, V. YA
2. 135R (600)
4. Karelia-Forest Insects
7. Timber pests and their effect on the quality of wood in forests of the Karelo-Finnish S. S. R. Izv, Kar-Fin. fil AN SSSR no. 1, 1951
9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SHIPEROVICH, V.Ya.; VAKIN, A.T., redaktor; KARASIK, N.P., tekhnicheskiy
redaktor.

[Prevention of secondary defects of coniferous lumber] Zashchita
ot vtorichnykh porokov lesomaterialov khvoinykh porod. Moskva,
Goslesbumizdat, 1954. 34 p.
(MLRA 7:11)
(Wood--Preservation)

SHIPZHOVICH, V.Ya.

Lumber storage in forests of the north. Les.prom. 14 no.6:15-16 Je '54.
(MIRA 7:6)
(Lumber--Storage)

SHIPKOVICH, V. Ya.

KOLPIKOV, M.V., doktor biologicheskikh nauk, otvetstvennyy redaktor;
KOMSHILOV, N.P., kandidat tekhnicheskikh nauk, redaktor;
YAKOVLEV, F.S., kandidat biologicheskikh nauk, redakteer;
KISHCHEMKO, T.I., kandidat sel'skokhozyaystvennykh nauk,
redaktor; SHIPKOVICH, V.Ya., kandidat biologicheskikh
nauk, redaktor; TVERITINOVA, K.S. tekhnicheskiy redaktor.

[Collected articles on investigation results concerning
forestry and lumbering in the taiga zone of the U.S.S.R.]
Sbornik statei po rezul'tatam issledovaniy v oblasti lesnogo
khoziaistva i lesnoi promyshlennosti v taichnoi zone SSSR.
Moskva, 1957. 301 p. (MIRA 10:6)

1. Akademiya nauk SSSR, Karel'skiy filial. Petrozavodsk.
(Forests and forestry)

USSR/General and Special Zoology. Insects

F

Abs Jour : Rof Zhur - Biol., No 6, 1958, No 25783

Author : Shapirovich V.Yr.

Inst : Not Given

Title : The Results and the Tasks of Scientific Research in the Protection of the Forest against Pests and Diseases in the Karolian Autonomous SSR. (Itogi i zdrachi nauchno-issledovatel'skoi raboty po zashchite lesa ot vrediteloi i boloznoi v Karol'skoi ASSR.)

Abstract : Sb. statoi po resul'tatam issled. v obl. lesn. kh-vc i lesn. prom-sti v troyozhn. zone SSSR. M.--L., AN USSR, 1957, 180-;87

Abstract : No abstract

Card : 1/1

USSR/Forestry - Forest Biology and Typology.

K-2

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20109
Author : Shiperovich, V.Ya., Yakovlev, B.P.
Inst :
Title : The Effect of Pathological Factors on the Resistance of
Undergrowth and Saplings in the Glades of the South
Karelian Spruce Forests.
Orig Pub : Tr. Karel'sk. fil. AN SSSR, 1957, vyp. 7, 46-68.
Abstract : Investigations held at the laboratory for forest pathology
of the Karelian affiliate of the Academy of Sciences SSR
in 1952-1954 have established that spruce underwood viability
in densely concentrated glades is considerably higher
when the undergrowth is disposed in groups. When broadcast
the major portion of the undergrowth dies off. The
resistance of the spruce underbrush increases in time,
whereas the viability of those grouped increases faster
than those scattered.

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USSR/Forestry - Forest Biology and Typology.

K-2

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20109

Insect pests attack the underwood particularly strongly during the period of the first three years after felling, during physiological plant depression. Beginning with the 5th year the large scale loss of undergrowth is checked through the resumption of its physiological activity and sharply curtailed number of pests. The pests are divided into 3 biological groups according to the degree of damage they inflict on underwood, their basic species are described together with the nature of their activities. The dynamics of underwood growth in clearings is characterized.

Card 2/2

SHIPEROVICH, V.Ya.; YAKOVLEV, B.P.

Effect of insect pests on the quality of spruce seeds in Karelian forests. Trudy Kar. fil. AN SSSR no.7:97-109 '57. (MLRA 10:9)
(Karelia--Forest insects) (Spruce) (Seeds)

USSR/General and Systematic Zoology. Insects. Harmful
Insects and Acarids. Forest Pests.

?

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11665

Author : Shiporovich V.Ya., Yakovlev B.P.
Inst : Institute of Zoology AS KazSSR.
Title : Harmful Insects and Spruce Restoration on Cleared
Spaces in Karelia.

Orig Pub : Entomol. obozreniye, 1957, 36, No 3, 632-639

Abstract : The reason for the weakening and for the drying
of the spruce underbrush (U) and saplings (S) on
hewn-out areas is due to a sharp change in the
environmental medium (as a result of chopping
down the maternal canopy) and also by the subse-
quent activity of harmful insects. The greatest
destruction of S takes place in the first 4 years
after hewing. At a grouping, curtain arrangement

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USSR/General and Systematic Zoology. Insects. Harmful
Insects and Acarids. Forest Pests.

P

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11665

of U, the latter is less exposed to insect invasion and is generally better preserved than at a solitary, dispersed arrangement of the young spruce on the hewn-out areas. The greatest importance among the U and S pests have the pinechafer (*Hylobius abietis*) and the bark beetle (*Hylastes cunicularius*). Besides, the young spruce is very often damaged by *Chermes abietis*, *Pissodes harcyniae*, *Pityogenes chalcographus*, *Ips duplicatus*, and *Pogonochaerus fasciculatus* and *Orthotomicus proximus* are often encountered on dead trees. To prevent a mass propagation of the pests and to increase the resistance of S and U against the invasion of insects, it is recommended to employ chopping methods which would safeguard the grouping arrangement of U. -- V.I. Grimal'skiy.

Card : 2/2

- 45 -

SHIPEROVICH, V.Ya.

Pathological state of mature and declining stands of Karelia. Izv.
Kar. i Kol. fil. AN SSSR no. 5:103-107 '58. (MIKA 12:9)

1. Institut lesa Karel'skogo filiala AN SSSR.
(Karelia--Trees--Diseases and pests)

SHIPEROVICH, V.Ya.; YAKOVLEV, B.P.; VOLKOVA, I.P.

How pine weevil (*Hylobius abietis* L.) affects the regeneration of conifers on areas of clearcutting in Karelia. Trudy Kar.fil. AN SSSR no.16:94-109 '59. (MIRA 13:4)
(Karelia--Pine--Diseases and pests)

SHIPKOVICH, V.Ya.; YAKOVLEV, B.P.; RAYEVSKAYA, V.S., red.; SHEVCHENKO, L.V., tekhn.red.

[Methods of determining the quality of seeds in spruce cones injured by insects and fungi] Metody opredeleniya godnosti sloykh shishok, povrezhdennykh nasekomymi i gribami. Petrozavodsk, Gos.izd-vo Karel'skoi ASSR, 1960. 15 p.

(Spruce--Diseases and pests)

(MIRA 14:1)

GUSEV, Valentin Ivanovich, prof., lesnoy entomolog; RIMSKIY-KORSAKOV, Mikhail Niko-
layevich, prof., lesnoy entomolog [1873-1951]; YATSENTKOVSKIY, Aleksey
Vladimirovich; SHIPEROVICH, Vladimir Yakovlevich, lesnoy entomolog;
POLUBOYARINOV, Ivan Ivanovich, lesnoy entomolog; IL'INSKIY, A.I., dots.,
retsenzent; POLOZHENTSEV, P.A., prof., retsenzent; KERAMTSOV, N.N., red.;
ARNOL'DOVA, K.S., red. izd-va; BACHURINA, A.M., tekhn. red.

[Forest entomology] Lesnaya entomologiya. Izd.4., perer. pod obshchim
iakovodstvom i red. V.I.Guseva. Moskva, Goslesbumizdat, 1961. 486 p.
(MIRA 14:7)

1. Zaveduyushchiy kafedroy entomologii Ukrainskoy akademii sel'sko-
khozyaystvennykh nauk (for Gusev)
(Forest insects)

OSTANIN, Ye.S., kand.sel'khoz.nauk, otv.red.; SOKOLOV, N.O., kand.
sel'khoz.nauk, red.; SHIPEROVICH, V.Ya., kand.biol. nauk,
red.; SOKOLOV, D.V., red. izd-va; AKEF'YEVA, G.P., tekhn.
red.

[Problems of silviculture and forest entomology in Karelia]
Voprosy lesovedeniia i lesnoi entomologii v Karelii. Moskva,
Akad.nauk SSSR, 1962. 119 p. (MIRA 15:8)

1. Akademiya nauk SSSR. Karel'skiy filial, Petrozavodsk.
(Karelia—Forests and forestry)
(Karelia—Forest insects)

SHIPEROVICH, V.Ya.

Paleolithic find in the southwestern Altai Territory. Biul. Kos.
chety. per. no.25;101-102 '60. (MIRA 14:1)
(Altai Territory--Stone age)

SHIPETIN, L. I.

MIR, V. K.A.; SHIPETIN, L.I.; LOSKUTOV, V.I., kandidat tekhnicheskikh nauk, retsenzenty LUKIN, V.P., redaktor.

[Thermotechnical measuring instruments] Teplotekhnicheskie izmeritel'nye pribory; spravochnye materialy. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 497 p. (MLRA 7:8)
(Measuring instruments)

Shipetin, L.I.

Avtomatusheskiye Regulyatory; Spravochnyye Materialy
by I K.A. Mironov I 2., Perer. I Dop.
Izd. - Moskva, Mashgiz, 1961.

551 P. Diagrams., Tables. 26 cm.

First issued as Part 2 of the authors' Teplotekhnich-
eskiye Izmeritel'nyye Pribory I Avtomatusheskiye
Regulatory. Moskva, 1956.

Bibliography: P. 537

Shipetin, L.I.

Teplotekhnicheskiye Izmeritel'nyye Pribory; Spravo-
chnik Materialnyy /by K.A. Mironov /I/
Izd. 2., Perer. I. Dop. Moskva, Mashgiz, 1958.
896 P. Diagrs., Graphs, Tables.
Bibliography: P. 895-896.

THREE BY EIGHT

9(6); 24(8); 28(5)

PHASE I BOOK EXPLOITATION

SOV/1420

Mironov, Konstantin Andreyevich, and Lev Iosifovich Shipetin

Teplotekhnicheskiye izmeritel'nyye pribory; spravochnyye materialy (Heat Engineering Measuring Apparatus; Reference Material) 2d ed., rev. and enl. Moscow, Mashgiz, 1958. 896 p. 20,000 copies printed.

Reviewer: M.A. L'vov, Candidate of Technical Sciences; Ed.: P.G. Adamov, Engineer; Ed. of Publishing House: G.F. Polyakov; Tech Ed.: A.Ya. Tekhanov, Managing Ed. for Literature on Machine Manufacturing and Instrument Making (Mashgiz): N. V. Pekrovskiy, Engineer.

PURPOSE: This book is intended for engineers and technicians engaged in planning, building, and installing equipment for the control and regulation of heating systems in various industries. It may also be used by students working on course projects and graduation requirements in vtuzes and tekhnikums.

COVERAGE: This book gives the main characteristics, arrangement, and over-all dimensions of apparatus for measuring temperature, pressure, quantity, and flow of liquids, gases and vapors, liquid levels, the composition of liquids,

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Heat Engineering Measuring (Cont.)

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and the composition, density and humidity of gases.

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Card 2/30

SHIPETIN, L. I.

PHASE I BOOK EXPLOITATION

SQV/5848

Mironov, Konstantin Andreyevich, and Lev Iosifovich Shipetin

Avtomatycheskiye regulatory; spravochnyye materialy (Automatic Controllers; Reference Materials) 2d rev. and enl. ed. Moscow, Mashgiz, 1961. 551 p. 25,000 copies printed.

Reviewer: A. Ts. Chervyakovskiy, Engineer; Ed.: M. S. Yeliseyev, Engineer; Tech. Ed.: A. Ya. Tikhonov; Managing Ed. for Literature on the Means of Automation and Instrument Construction: N. V. Pokrovskiy, Engineer.

PURPOSE: This book is intended for engineers and technicians concerned with the design, assembly, and operation of automatic control systems of manufacturing processes; it may also be useful to students at schools of higher education and teknikums.

COVERAGE: Concise descriptions of self-energized and relay-operated (hydraulic, pneumatic, and electric) controllers and their accessories are presented. Information on control valves and data

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Automatic Controllers; Reference Materials

SOV/5848

on control panels and cabinets for the mounting of instruments, controllers, and accessories are also given. Reference data are based on various catalogs, specifications of plants, shop manuals, and on information compiled by the Proyektno-konstruktorskoye byuro "Glavproyektmontazhavtomatika" Ministerstva stroitel'stva RSFSR (Planning and Design Bureau for Design and Assembly of Automation Equipment of the Ministry for Construction of the RSFSR). No personalities are mentioned. There are 10 references, all Soviet.

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PRUSENKO, V.S.; SHIPETIN, L.I.

Calculating the adjustment of the multiplying device for controlling
the rate-of-flow ratio. Priborostroenie no.7:1-3 Jl '61.
(MIRA 14:6)

(Electric controllers)

MONAKHOV, Valentin Ivanovich; SHIPETIN, L.I., red.; SHIROKOVA, M.M.,
tekhn. red.

[Measuring the consumption and quantity of liquid, gas and steam]
Izmerenie raskhoda i kolichestva zhidkosti, gaza i para. Moskva,
Gos. energ. izd-vo, 1962. 127 p. (Biblioteka po avtomatike, no.50)
(MIRA 15:6)

(Flow meters)

ROZENTSVIT, TSitsiliya Il'inichna; EYGENBROT, Viktor Moiseyevich;
SHIPETIN, L.I., red.; LARIONOV, G.Ye., tekhn. red.

[Master systems of programming and tracking controllers of
industrial processes] Zadaiushchie ustroistva programmnykh
i slediashchikh reguliatorov tekhnologicheskikh protsessov.
Moskva, Gosenergoizdat, 1963. 108 p. (Biblioteka po avto-
matike, no.71) (MIRA 16:7)

(Electric controllers)

EYGEROT, Viktor Noisseyevich; TIKHIN, V. Ye., retranslator;
SHIFETIN, L.I., red.

[Use of electron-beam tubes in multiple-point control]
Primenenie elektronno-luchevykh trubok dlia mnogo-
tochechnogo kontroliia. Moskva, Energiia, 1965. 94 p.
(Biblioteka po avtomatike, no.135 p.) (MIRA 18:5)

ACC NR: AM6014345

Monograph

UR/

Mironov, Konstantin Andreyevich; Khatsyanov, Feliks Grigor'yevich;
Shegal, Genrikh L'vovich; Shipetin, Lev Iosifovich; XAnovskiy, Petr
Illarionovich

Technology of automatic control systems design; reference materials
(Tekhnika proyektirovaniya sistem avtomatizatsii; spravochnyye
materialy) Moscow, Izd-vo "Mashinostroyeniye", 1966. 702 p.
illus., biblio., tables. Errata slip inserted. 16,500 copies printed.

TOPIC TAGS: automation, automatic control, electric control system,
pneumatic control system, automatic control design, automatic control circuit

PURPOSE AND COVERAGE: This book is intended for technical personnel
concerned with the planning of automation systems for technological
processes. It can also be useful to students at schools of higher
technical education and technical schools. The book contains docu-
mentary references concerning the design of automation systems and
gives examples of projects based on the plans, norms, and manuals
of the leading design organizations of the USSR. In addition to the
above, the book contains recommendations regarding the selection of
means of automation, methods of designing control, signaling, and

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UDC 658.52.011.56.001.12

ACC NR: AM6014345

automatic regulation circuits, the arrangement of control panels, methods of computing automatic regulation systems, choke-adjustment units, and the tapered devices of flow-meters. Data on the equipment and assembly materials used in the systems for automation-control and regulation of technological processes are presented.

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SHIPETIN, R.

BOROKHOVSKIY, L., inzhener; SHIPETIN, R., inzhener.

Standard shop for sack repairing. Muk.-elev.prom. 20 no.11:7-?
N 154. (MLRA 8:3)

1. Gosudarstvennyy institut Promzernoproyekt.
(Bagging)

SHIPETIN, R., inzhener.

Vibrating conveyor. Muk.-elev.prom. 22 no.10:21-23 0 '56.
(MLRA 9:12)

1. Promzernoproyekt.
(Conveying machinery) (Flour mills--Equipment and supplies)

SHIFETIN, S.I.

Grinding of involute cams and snails. Stan.i instr. 32 no.12:
19-20 D '61. (MIRA 14.12)
(Grinding and polishing)

PLYUSHCHEV, V.Ye.; TULINOVA, V.B.; KUZNETSOVA, G.P.; KOROVIN, S.S.
SHIPETINA, N.S.

Investigating the ternary system sodium chloride -- cesium
chloride --water. Zhur. neorg. khim. 2 no.11:2654-2660 N '57.
(MIRA 11:3)

1.Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.I.
Kalinina.
(Sodium chloride) (Cesium chloride)

FISHZON-RYSS, Yu.I., kand. med. nauk (Moskovskaya oblast'); L'PERIN, Yu.B.
(Moskovskaya oblast'); SHIPIK, N.I. (Moskovskaya oblast').

State of the stomach in chronic tonsillitis. Zhur. ush., nos.
i gorl. bol. 23 no.5:34-38 S-0'63 (MIRA 17:3)

REMBASHEVSKIY, A.G.; KISINA, A.M.; SHIPIKIN, V.V.

Properties of coke taken from different sections of fragments. Koks
i khim. no.9:24-27 '60. (MIRA 13:9)

1. Leningradskiy tekhnologicheskiy institut im. Lensoveta.
(Coke)

MASLYANSKIY, G.N.; BURSIAN, N.R.; SHIPIKIN, V.V.

Change in the properties of the alumina-platinum reflecting catalyst during protracted operation. khim. i tekhnol. i mazel 10 no.1:2-6 Ja '65. (MJKA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

KOCHEGURA, Mikhail Andreyevich [Kochehura, M.A.], kand.tekhn.nauk;
SHIPIL', V.Ya., kand.tekhn.nauk, otv.red.; TEPLYAKOVA, A.S.,
red.

[Airplanes of the seven-year plan] Litsky semyrichky. Kyiv,
1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i
naukovykh znan' Ukrains'koi RSR. Ser.7, no.6). (MIRA 13:8)
(Airplanes)

SHIPIL'BERG, P. I.

Hearing

Electroencephalographic investigation of hearing analyser in man in normal and pathologic conditions. Vest. oto-rin. 14 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1952 Unclassified

1. KOLOMIYETS, K. V.; SHIPIL'BERG, G. I.
2. USSR (600)
4. Nikogosian, Kh. A.
7. On the new method of hygienic evaluation of climate; critical remarks on Prof. Kh. A. Nikogosyan's article. Gig. i san. No. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SHIPILEVSKIY, B.

Using polymer materials. Avt.transp. 42 no.12:27-29 D 164.
(MIRA 18:4)

GE. SHILOV, L.B., inzh.; SHIPILEVSKIY, B.A., inzh., assistant

Using carbon in repairing, and bearings. Mekh. stroi. 18
no. 1:24-25 Ja '61. (ILL. 14:2)

1. Sredneaziatskiy politekhnicheskiy institut (for Shipilevskiy).
(Bearings (machinery)--Maintenance and repair)
(Nylon)

ABRAMOV, L.M., assistant; SHIPILEVSKIY, B.A., assistant

Changes in dimensions of carbon fiber in some media.
Izv. vys. ucheb. zav. 1961, no. 11-118 '61.
(MIRA 14:7)
1. Sredneasiats'kiy politekhnicheskiy institut.
(Nylon---Testing)

SHIPILEVSKIY, B.A.

Attachment to a dial inside caliper for measuring the bushing
wall. Izm.tekh. no.3:11 Mr '63. (MIRA 16:4)
(Calipers)

SHIPILEVSKIY, B.A.

Device for measuring external dimensions of oval bodies. Izm.
tekh. no. 2:22-23 F '63. (MIRA 16:2)
(Gauges)

SHIPILEVSKIY, B.A.

Device for measuring reduced external diameter of oval cylinders.
Izm. tekh. no.1:19-20 Ja '64.

(MIRA 17:11)

L 13584-63EMP(j)/EWT(d)/EWT(m)/FCC(w)/BDSA=FTC/ASD/IJP(C)Pc-4RMS/145/62/000/012/006/011132

AUTHOR:

Shipilevskiy, B. A., Senior Instructor, and Abramov, L. M.,Associate Instructor

TITLE:

Practice in applications of mathematical statistical methods to
analysis of precision of dimensions of machine parts made of
plastics

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniya,
no. 12, 1962, 109-114

TEXT: The article describes a simplified method of statistical analysis of results of measurements using special charts. The method has been verified by an analysis of dimensional precision of plastic machine parts. A number of elements were manufactured in 50-piece lots in each pressing mold, at definite conditions for each lot. This practically eliminated the effect of systematic errors in dimensions of pressed elements. It also permitted to investigate the effect of various other factors on precision of manufacturing and on precision changes in plastic parts during storage and operation. The effect of accidental errors on the dimensional precision is determined by the range of

Card 1/2

L 16584-63

8/145/62/000/012/006/011

Practice in application of mathematical...

scattering of measured dimensions. An example of application of the method is given on an analysis of a series of bushings for the rear automobile spring. The comparison of the curve of distribution of actual bushing dimensions with a Gaussian distribution curve shows a close agreement between them. Some results of analysis of precision of dimensions of plastic parts are shown in table. The suggested method allows a prompt analysis of the degree of precision molding of machine parts and is highly recommended for this purpose. Seven Soviet references. There are 2 figures and 1 table.

ASSOCIATION: Tashkentskiy politekhnicheskiy institut (Tashkent Polytechnic Institute)

SUBMITTED: July 20, 1961

Card 2/2

ACC NR: AP6035917

(A)

SOURCE CODE: UR/0413/66/000/020/0163/0163

INVENTOR: Bogdanov, S. A.; Kaloyev, A. V.; Makeyev, A. D.; Shipilevskiy, G. B.; Ponomarev, V. I.; Simonov, L. P.; Soshnikov, A. A.; Kalinovskiy, N. F.; Vaynshteyn, L. A.; Pann, L. A.; Kudel'skiy, V. A.; Skrypnik, I. A.

ORG: none

TITLE: Device for automatic control of a wheeled vehicle. Class 45, No. 187433 [announced by the State Union Scientific Research Tractor Institute (Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut); Khar'kov Tractor Plant (Khar'kovski. traktornyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obratstsy, tovarnyye znaki, no. 20, 1966, 163

TOPIC TAGS: agricultural machinery, ~~automatic control~~, automatic control ^{equipment} system, tractor, motor vehicle

ABSTRACT: An Author Certificate has been issued for a device for the automatic control of a wheeled vehicle, which includes a duplicating feeler, a feeler-deflection transducer, an electric gate valve, and a hydraulic steering-gear amplifier. To simplify the changeover to and from automatic control, it is equipped with a three-way cock with a handle. The cock's input is connected to a pump, one of its outputs is connected to a distributing hydraulic amplifier, and its second output is connected

Card 1/2

UDC: 631.36:629.114.2-52

ACC NR: AP6035917

to the electric gate valve. In order to smoothly change the rpm, between the pump and the cock's input is mounted a throttle. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 30Dec65/

Card- 2/2

SHIPILEVSKY, N.Ya.

Treatment of multiple sclerosis with the preparation Proper-mil.
Preliminary report. Zhur. nevr. i psikh. 65 no.11:1649-1652 '65.
(MIRA 18:11)

1. Kafedra nevrologii TSentral'nogo instituta usovershenstvovaniya
vrachey i Gorodskaya bol'nitsa No.62 (glavnyy vrach V.D. Margolin),
Moskva.

S/040/63/027/002/011/019
D251/D308

AUTHOR: Shipilin, A. V. (Moscow)

TITLE: The region of discontinuous solutions of the variation problems of gas dynamics

PERIODICAL: Prikladnaya matematika i mehanika, v. 27, no. 2, 1963, 342

TEXT: The author refers to Yu. D. Shmyglevskiy (PMM, v. 26, no. 1, 1962). At a point of isentropic discontinuity h , the discontinuity of the Mach angle α , the angle of inclination of the velocity to the x -axis along a given line cb are determined by a system of two transcendental equations. The values at h depend on the path of approach. The equations are complicated, hence a numerical method of solution is indicated. The case of flow in a nozzle is obtained by replacing θ by $-\theta$. The solutions obtained comprise practically the whole range of variation of the nozzle parameters. There are 2 figures.

SUBMITTED: December 20, 1962

Card 1/1

ACCESSION NR: APL013393

S/0040/64/028/001/0182/0183

AUTHORS: Borisov, V. M. (Moscow); Shipilin, A. V. (Moscow)

TITLE: Maximal thrust nozzles with arbitrary isoperimetric conditions

SOURCE: Prikladnaya matematika i mekhanika, v. 28, no. 1, 1964, 182-183

TOPIC TAGS: jet, nozzle, maximal thrust, isoperimetric condition, numerical solution, boundary value problem, nonlinear partial differential equation, lateral surface, Lagrange multiplier

ABSTRACT: K. G. Guderley and J. V. Armitage (A General Method for the Determination of Best Supersonic Rocket Nozzles. Paper Presented at the Symposium on Extremal Problems in Aerodynamics, Boeing Scientific Research Laboratories Flight Sciences Laboratory, Seattle, Washington, December 3-4, 1962) obtained necessary conditions for an extremum in the problem of nozzles with greatest thrust under arbitrary conditions on the nozzle wall. Numerical solution of this problem is tied up with a very complex boundary value problem for nonlinear partial differential equations. The present authors find one class of solutions for this boundary value problem. Orig. art. has: 10 formulas and 1 diagram.

Card 1/2

ACCESSION NR: APL013393

ASSOCIATION: none

SUBMITTED: 24Oct63

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: AI

NO REF SOV: 001

OTHER: 001

Card 2/2

ACCESSION NR: APL010501

S/0040/64/028/003/0543/0547

AUTHOR: Shipilin, A. V. (Moscow)

TITLE: Bodies with minimal wave resistance in inhomogeneous oncoming gas flow

SOURCE: Prikladnaya matematika i mehanika, v. 28, no. 3, 1964, 543-547

TOPIC TAGS: wave resistance, gas flow, body of rotation, supersonic flow, axisymmetric flow, shock wave, extremal condition

ABSTRACT: The author studies a problem similar to the one investigated by G. I. Kostyshchev (K resheniyu odnoy variatsionnoy zadachi sverkhzvukovym tekhnicheskim tacheniyem. Izv. vystup. uchebn. zaved. MVO, ser. aviats. tekhn., 1958, No. 3), in whose work there is an error. The present author is interested in constructing a generating body of rotation ab guaranteeing minimal wave resistance in inhomogeneous supersonic axisymmetric flow. The oncoming flow and the coordinates of the points a and b are assumed given. It is also assumed that a combined shock wave ac is formed. Let bc be the characteristic of the second family and cd the characteristic of the first. It is assumed that the flow inside the triangle abc is supersonic and there are no shock waves. Kostyshchev, in computing the number of conditions and arbi-

Card 1/2

ACCESSION NR: AP4040581

trary rules of the problem, did not consider the conditions on the shock wave at the point $\psi = \psi_\epsilon$; he included the condition of transversality, which is satisfied precisely at this point in view of the extremal conditions and the relations on the shock wave. Therefore, the number of conditions and arbitrary rules coincided, and he came to the false conclusion that the problem is solvable. "In conclusion the author expresses his gratitude to Yu. D. Shmyglevskiy for his great help in the completion of this work." Orig. art. has: 5 figures and 13 formulas.

ASSOCIATION: none

SUBMITTED: 24Oct63

DATE ACQ: 19Jun64

ENCL: 00

SUB CODE: ME

NO REF SOV: 003

OTHER: 000

Card 2/2

L 42892-66 EWT(1)/EWP(m) WW

ACC NR: AP6030104

SOURCE CODE: UR/0421/66/000/004/0009/0018

AUTHOR: Shipilin, A. V. (Moscow)63
B

ORG: none

TITLE: Optimal shapes of bodies with attached shock waves

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 4, 1966, 9-18

TOPIC TAGS: supersonic aerodynamics, supersonic flow, perfect gas, shock wave, attached shock wave, wave drag

ABSTRACT: The problem of determining the optimum shape with respect to the wave drag of plane and axisymmetric bodies in supersonic perfect gas flows is considered. The solution is sought among bodies in supersonic flow to which shock waves are attached. The problem consists in determining the function $x(y)$ describing the body contour which minimizes the functional of the wave drag and satisfies certain isoperimetric conditions. Differential equations of the flow are considered as additional conditions accounted for by introducing Lagrange multipliers. The obtained necessary conditions may be used as a base for numerical calculation of the shape. The determination of the optimum contour passing through two given points is treated analytically and final conditions of the extremum are established. The results of

Card 1/2

L 42892-66

ACC NR: AP6030104

numerical calculations by an iterative method for finding the optimum contour and wedge with an equivalent aspect ratio are presented in a table for various values of the free flow velocity with the adiabatic exponent $\gamma = 1.4$. Orig. art. has: 6 figures, 26 formulas, and 1 table.

(2)
[AB]

SUB CODE: 20/ SUBM DATE: 21Feb66/ ORIG REF: 011/ OTH REF: 002/ ATD PRESS: 5069

Card 2/2 bdk

SHIPILIN, B.I.; ZAKHAROV, B.P., inzhener, redaktor; DOBROTVORSKIY, M.M., professor, ratsenzent [deceased]; DUGINA, N.A., tekhnicheskij redaktor

[Coremaking] Izgotovlenie sterzhni. Pod red. B.P.Zakharova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 47 p. (Nauchno-populiarnaja bib-ka rabochego-litейchika no.4). (Coremaking) (MLRA 8:?)

SHIPILIN, I. I.

14(1);25(1)

• PHASE I BOOK EXPLOITATION SOV/2692

Minayev, Anatoliy Nikolayevich, and Boris Il'ich Shipilin

Liteynyye pechi i sushila (Foundry Furnaces and Drying Chambers) Moscow, Mashgiz, 1959. 472 p. 8,000 copies printed.

Reviewers (Division of Foundry Production, Ural Polytechnical Institute):

A.A. Gorshkov, Doctor of Technical Sciences, Corresponding Member, Academy of Sciences, UkrSSR; and A.S. Telegin, Candidate of Technical Sciences; Eds.: A.S. Telegin, Candidate of Technical Sciences; Yu.G. Yaroshenko, Candidate of Technical Sciences; D.K. Butakov, Candidate of Technical Sciences; P.V. Levchenko, Candidate of Technical Sciences; K.N. Sokolov, Candidate of Technical Sciences; B.M. Ksenofontov, Candidate of Technical Sciences; and Yu.P. Poruchikov, Candidate of Technical Sciences; General Ed.: G.M. Dubitskiy, Candidate of Technical Sciences; Tech. Ed.: N.A. Dugina; Exec. Ed. (Ural-Siberian Division, Mashgiz): A.V. Kalistina, Engineer.

PURPOSE: This textbook is intended for students of machinery construction vuzes. It may also be useful to engineering and technical personnel.

Card 1/13

Foundry Furnaces and Drying Chambers

sov/2692

COVERAGE: This textbook deals with foundry furnaces and dryers. Fuels used in foundry practice are discussed in Part One. Characteristics, methods of selection, and calculations for combustion processes are included. Part Two deals with gas dynamics in furnaces. Design examples are given. Part Three deals with heat transfer in furnaces. Refractory materials, elements of furnace construction, and fundamentals of design are included in Part Four. Part Five is devoted to constructions of dryers and furnaces. Some design examples are given. A.S. Telegin, P.V. Levchenko, K.N. Sokolov, A.N. Minayev, Yu.G. Yaroshenko, Candidates of Technical Sciences, and M.V. Shavel'zon, Engineer, were coauthors of the book. There are 127 references: 121 Soviet, 5 German, and 1 Polish.

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SHIPILIN, Boris Il'ich; VOLPYANSKIY, L.M., red.; DUGINA, N.A.,
tekhn. red.

[Coremaking] Izgotovlenie sterzhej. Izd.2., Pod red. L.M.
Volpianskogo. Moskva, Mashgiz, 1962. 61 p. (Nauchno-
populiarnaja biblioteka rabochego -liteishchika, no.4)
(MIRA 16:2)

(Coremaking)

SHIPILIN, N.A.

New volumenometer. Izm.tekh. no.5:14-15 My '63. (MIRA 16:10)

SHIFILIN, N. N.

Prakticheskoe posotie dlia tekstirovshchikov. Practical handbook for appraisers. Moskva, Izd-vo Narkomrechflota SSSR, 1943. 123 p.
DLC: HE675.S48

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

SLONOV, M. N. and SHIPILIN, N. N.

Spravochnik po kommercheskoi eksploataatsii rechnogo flota. [Handbook on
commercial exploitation of the river fleet]. [Moskva] Rechizdat, 1947.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified

SHIPILIN, N. N.

Spravochnik po tarifam rechnogo transporta. / Reference book on river transportation rates. / Moskva, Izd-vo Ministerstva rechnogo flota SSSR, 1949, 161 p. (chiefly tables). Gives distances (in klms) between main ports. DLC: HE675.S49

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

BODROV, A.D.; SHIPLIN, N.N.; SLOMOV, N.N., redaktor; KRAYEV, I.S.,
retsenszent; ZAVITAYEV, Ye.F., redaktor; VINOGRADOVA, N.M.,
redaktor izdatel'stva; TSvetKOVA, S.V., tekhnicheskij redaktor

[Manual for the receiving and shipping clerk of dry cargo] Posobie
priemosdatchiku skhogruzov. Izd. 3-e. Moskva, Izd-vo "Technol
transport." 1957. 199 p.
(Dry-goods--Transportation)
(Inland water transportation)

SHIPILIN, Nikolay Nikolayevich; MAKRUSHINA, A.N., red. 1st-ed-va; GORCHAKOV, G.N.,
tel'm. red.

[Manual for officials setting rates] Posobie taksirovshchiku,
Moskva, Izd-vo "Techno transport," 1958. 125 p. (MIRA 11:7)
(Inland water transportation—Rates)

TUBEROZOV, Nikolay Ivanovich; SHIPILIN, Nikolay Nikolayevich;
MAYORSKIY, G.I., retsenzent; VAYNSHTOK, M.Z., retsenzent;
PLATOV, V.G., red.; MAKRUSHINA, A.N., red.izd-va; BOBROVA,
V.A., tekhn.red.

[Guide for users of inland water transportation] V pomoshch'
klienture vnutrennego vodnogo transporta. Moskva, Izd-vo
"Technoi transport," 1959. 446 p. (MIRA 13:1)
(Inland water transportation)

1 / PHASE I BOOK EXPLOITATION

SOV/3560

Akademiya nauk SSSR. Institut fiziki zemli

Seismicheskaya razvedka (Seismic Prospecting) Moscow, Izd-vo AN SSSR, 1959.
374 p. (Series: Its: Trudy, №. 6 /173/) Errata slip inserted. 1,500 copies
printed.

Ed.: I.S. Berzon, Doctor of Physical and Mathematical Sciences; Ed. of Publishing
House: L.I. Ratnikova; Tech. Ed.: V.V. Volkova.

PURPOSE: The publication is intended for geologists and geophysicists, particularly
for those interested in the study of seismic waves and their use in geological
prospecting.

COVERAGE: This is a collection of 17 articles published by the Academy of Sciences
USSR as transactions of the Institute of Physics of the Earth. The first four
articles present mainly an analysis of amplitudinal properties of waves. The
second group of four articles deals with problems of frequency analysis of
seismic waves. The remaining articles cover a wide field of problems in seis-
mology such as methods of interpretation of dynamic properties of waves,

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Seismic Prospecting

SOV/3560

observation of reflected latitudinal waves, design of high-frequency seismic instruments, etc. References are given at the end of each article.

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Melamid, A.Ya. and N.S. Shipilin. High-Frequency Seismic Instruments 336

Sorokhtin, O.G. Multichannel Supersonic Pulse Seismoscope 354

AVAILABLE: Library of Congress

Card 4/4

TM/mas
5-16-60

MELAMUD, A.Ya.; SHIPILIN, N.S.

High frequency seismic apparatus. Trudy Inst.fiz.zem.
no.6:336-353 '59. (MIRA 13:5)
(Seismometry)

SHIPILINA, V.M.

X-ray therapy in inflammatory diseases of the accessory sinuses of
the nose. Trudy TSentr. nauch.-issl. inst. rentg. 1 rad. 10:303-307
'59. (MIRA 12:9)

(X RAYS--THERAPEUTIC USE) (NOSE, ACCESSORY SINUSES OF--DISEASES)

SHIPILIKOV, V. M.

"Microphotography by the Camera of the "FED" type", Izv. Akad. Nauk SSSR, No 126, 1954, pp 164-169.

The objective of the camera should be adjusted to 25 cm, the usual distance of the eye from the microscopic image. For this purpose the objective tube should be lengthened by 1 cm by means of a special ring. The setting on point and photographing is described. (RZhFiz, No 1, 1955) SO: Sum. No. 443, 5 Apr. 55

L-18268-63

ENT(d)/BDS

ACCESSION NR: AP3006716

8/0286/63/000/008/0072/0073 54

AUTHOR: Alafinov, A. A.; Aleksandrov, V. A.; D'yachenko, V. I.; Liberman, L. A.; Strizhkov, Yu. G.; Shipilo, V. L.

TITLE: Machine tool for grinding the internal surface of long tubing. Class 67,
No. 154142

14

SOURCE: Byul. izobreteniy i tovarnykh znakov, no. 8, 1963, 72-73

TOPIC TAGS: internal belt grinding machine, belt grinding, long-tube grinding,
abrasive belt, elastic bag, oval tubing, internal grinding

ABSTRACT: The patent is for a machine tool for grinding the internal surface of long tubing with a continuous abrasive belt passing through the rotating tubing. The belt is pressed against the surface being ground by an elastic element (with a pneumatic bag inside) moving reciprocally within the tubing. To provide constant pressure of the elastic element on the surface being ground when the tubing has a varying cross section, the fabric bag is placed in a leather bag with a cross-sectional perimeter larger than that of the maximum cross section of the tubing. In another model of this tool, for grinding

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ACCESSION NR.: AP3006716

tubing with an oval cross section, the abrasive belt is guided at the entrance of the tubing by a form roller adjustable in the direction perpendicular to the tubing axis so that rotating tubing will not catch and twist the belt. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 15Jun62

DATE ACQ: 30Sep63

ENCL: 00

SUB CODE: IE

NO REF Sov: 000

OTHER: 000

Card 2/2

AUTHOR: Shipillo, V. P., Engineer SCU/105-55-10-3/28

TITLE: Equivalence of Dynamic Braking and Starting of Induction Motors (Ekvivalentnost' rezhimov dinamicheskogo tormozheniya i pustka asinhronnoy mashiny)

PERIODICAL: Elektrичество, 1958, Nr 10, pp 36 - 38 (USSR)

ABSTRACT: A study of the operation of an induction dynamic braking when the current I_{Br} in the stator is constant, and in starting when the current is kept at a constant value by varying the feeding voltage, this value being equal to a certain I_{equiv} . It is shown that both modes of operation are equivalent. The characteristic curves are proved to be equal if the current is equivalent. Owing to this analogy a qualitative and a quantitative relation between dynamical braking and starting an induction motor can be established. The practical outcome of this analogy is a simple method of computing the characteristic curves of an induction motor in dynamical braking.

Card 1/2

Equivalence of Dynamic Braking and Starting of Induction Motors SCV/105-59-10-2/25

This method of computation is presented. It appears that the curves obtained by this method differ only slightly from those obtained by usual methods, by using the equivalent circuit diagram (Ref 1) and taking into account saturation effects. This deviation does not exceed 10%, which is a quite permissible error in practical computations. There are 3 figures and 1 reference, which is Soviet.

ASSOCIATION: Tyazhpromelektroprojekt, Khar'kovskoye otdeleniye (Tyazhprom-
elektroprojekt, Khar'kov Branch)

SUBMITTED: January 23, 1958

Card 2/2

SHIPILLO, Valentin Pavlovich; LABUNTSOV, V.A., red.; LARIONOV, G.Ye.,
tekhn. red.

[Systems for the grid control of the mercury rectifiers of
automatically controlled electric drives] Sistemy setochnogo
upravleniya rtutnymi vypriamiteliами dlja avtomaticheskikh
elektroprivodov. Moskva, Gos. energ. izd-vo, 1961. 109 p.
(Biblioteka po avtomatike, no.36) (MIRA 14:9)
(Electric driving) (Automatic control) (Mercury-arc rectifiers)

SHIPILLO, V.P.

Transistorized correction units. Avtom. i prib. no.2:26-22
Ap-Je '63. (MIA 18:8)

1. Ukrainskiy gosudarstvennyy proyektnyy institut "Tyazhpromelektro-
proyekt."

SHIPILLO, V.P., inzh. (Khar'kov); SIRITSA, V.V., inzh. (Khar'kov);
BULATOV, O.G., inzh. (Khar'kov)

Dynamics of equalizing currents in reversible electronic converters. Elektrichestvo no.1:37-40 Ja '63. (MIRA 16:2)
(Electric current converters)

L 05715-67 EWT(1)

ACC NR: AP6018321 (N) SOURCE CODE: UR/0105/66/000/002/0042/0049

AUTHOR: Shipillo, V. P. (Candidate of technical sciences; Khar'kov)

23

21

B

ORG: none

16
TITLE: Operation of a polyphase rectifier with an interphase transformer under
asymmetrical grid-control conditions

SOURCE: Elektrichestvo, no. 2, 1966, 42-49

TOPIC TAGS: electronic rectifier, power rectifier, CURRENT STABILIZATION

ABSTRACT: Current unbalance in rectifier groups due to asymmetrical grid control is quantitatively evaluated. Theoretical analysis shows that the interphase-transformer-type rectifier is very sensitive to the grid-control asymmetry, particularly within 30-150° angles of ignition, and to the difference in voltage drops across individual rectifying diodes. If a 10% excess current in a group is

Cord 1/2

UDC: 621.314.652

L 05215-67

ACC NR: AP6018321

Z

tolerated, the permissible control asymmetry will constitute a small fraction of one degree which is too rigorous for practical purposes. The situation can be alleviated by using an automatic controller for liquidating the current unbalance in the arms of the interphase transformer. Such a controller proved to be highly efficient in some laboratory and field experiments "conducted by M. E. Zil'berblat and V. A. Polivanov." Orig. art. has: 8 figures, 47 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: 09Jul65 / ORIG REF: 002

Card 2/2 awm

SHIPILOV, A.A.; LESOVY, I.F., inzh.

It is imperative to improve the test benchboard. Avtom., telez. i
sviaz' ? no.9:31-32 S '65. (MIRA 13:2)

1. Starshiy inzh. laboratori signalizatsii i svyazi Yuzhnay dorogi
(for Shipilov). 2. Kontrol'no-izpytatel'nyy punkt Belgorodskiy di-
stantsi (for Lesovoy).

S/129/62/000/006/003/008
E193/E385

AUTHORS: Shipilov, A.D. and Mikhayev, V.G., Engineers

TITLE: Case-hardening of a chromium stainless steel

PERIODICAL: Metallovedeniye i termicheskaya obrabotka
metallov, no. 6, 1962, 55 - 56 + 1 plate

TEXT: The investigation described in the present paper
was carried out at Kuznets Metallurgical Combine with the object
of studying the structure and properties of case-hardened steel
1V13 (1Kh13), which is characterized by exceptionally high
resistance to abrasion. Case-hardening was carried out at
920 - 940 °C in a solid carburizing medium consisting of 35%
semicoke and 15% soda. After quenching from the carburizing
temperature a case was obtained which consisted mainly of a
carbide phase interspersed with a small proportion of martensite.
The depth of carburization depended on the carburizing time and
ranged from 0.6 mm after 15 hours to 1.6 mm after 60 hours.
The carbon content of the case decreased gradually from about
3.5% at the surface to about 0.2% at a distance of 1.5 mm from
the surface. Hardness measurements conducted on test pieces

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S/129/62/000/006/008/008
E193/E383

Case-hardening of

carburized and quenched from 800 - 1 100 °C showed that the maximum hardness HRC = 67 was attained after quenching from 900 °C. With increasing distance from the surface of the carburized case, its hardness after this treatment remained constant at HRC = 67 to a depth of 0.4 mm, after which it gradually decreased, reaching a value of 45 at a distance of 2 mm from the surface. The results of tempering experiments are reproduced in Fig. 6, where the hardness (HRC) at the surface of the case is plotted against the tempering temperature (°C), the various curves relating to specimens quenched from temperatures indicated by each curve. It is stated in the concluding paragraph that by changing the material of a pressing die from steel 10 to steel Kh13 a tenfold increase in the life of the tool was attained. There are 6 figures.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat
(Kuznets Metallurgical Combine)

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SHIPLOV, A. L. (Voronezh)

Innovations are dedicated to the congress. Izobr. i rats.
no.11:3 N '61. (MIRA 14:11)
(Voronezh—Machinery industry)

SHIPILOV, A.M. (Voronezh)

Fresh cucumbers in winter. Priroda 49 no.9:117-118 S '60.
(MIRA 13:10)

(Cucumbers)

SHIPILOV, A. P.

SHIPILOV, A. P. -- "The Water Permeability of Gunite Concrete Hydraulic Insulating Coverings in High-Pressure Irrigation Structures." Acad Sci Uzbek SSR. Inst of Structures. Tashkent, 1955.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya Letopis', No 9, 1956

SOV/124-58 1-914

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 122 (USSR)

AUTHOR: Shipilov, A. P.

TITLE: The Permeability to Water of Gunite (Vodopronitsayemost' torkreta)

PERIODICAL: Tr. Sredneaz. n.-i. in ta irrigatsii, 1956, Nr 82, pp 3-15

ABSTRACT: Bibliographic entry

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